No. 2nd & Part Bill

Name of Work:- PACKAGE No-04 Construction of Classrooms to Govt PU College and providing grill fencing and Other developmental Works to ISRO layout Park, Vishweshwarayya park, Raj kumar Park, Sri Saibaba park Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Estimate Cost:	950.00 Lakhs
Head of Account:	Amrutha Nagrothana grants
Sanction No	Job No-002-23-000002
Tender Amount	Rs.8,81,41,302/-
Tender Period	9 Months
Reference to Agreement No:	EE(Project)/YNK Zone/AG/14/2022-23 date 02-09-2022
Name of Contractor and full Address:	B.B Umesha, Class 1 Contractor Bangalore
Date of Commencement as per agreement	9/3/2022
Date of Completion as per agreement	6/2/2023

PRE Measurement Recorded on:

Item No:38

Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. First Floor

Description	Nos	Length	Width	Depth	Quantity
1	2	3	4	5	6
FF External plastering	1	31.40		3.50	109.900
	1	27.85		3.50	97.475
	2	6.50		3.50	45.500
Corridor Parapet	2	1.80		0.97	3.492
	2	3.34		0.97	6.480
	2	4.30		0.97	8.342
	2	4.33		0.97	8.400
	2	4.33		0.97	8.400
	2	4.23		0.97	8.206
	2	4.33		0.97	8.400
	2	4.33		0.97	8.400
	2	4.43		0.97	8.594
	2	1.8		0.97	3.492
Deductions					325.08
D	-3	1.5		2.1	-9.450
W	-12	1.5		1.35	-24.300
Staircase W	-1	1.45		1	-1.450
				Total	289.882

C & FC

Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

AARTN ASSOCIATES BANGALORE

Consultant

Assistant Engineer 10/11/2022

Contractor

Asst. Executive Engineer 10/11/22

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

(1)

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PRE Measurement Recorded on:

Item No:39 (156)

Providing 12 mm cement plaster with cement mortar 1:6 (1 cement: 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. First Floor Qty Upto 125%

Description	Nos	Length	Width	Depth	Quantity
1	2	3	4	5	6
Ceiling Inside	3	9.00	6.50		175.50
Veranda	1	27.30	1.80		49.14
Walls	3x2	9.00	3.30		178.20
	3x2	6.50	3.30		128.70
Staircase	2	6.50	3.30		42.90
	1	4.30	3.30		14.19
					588.63
Deductions					
D	-3.00	1.50	2.10		-9.45
W	-18.00	1.50	1.35		-32.40
Staircase W	-1.00	1.45	1.00		-1.45
	-6.00	1.50	0.30		-2.70
				Total	542.630

Cafe

AARTN ASSOCIATES BANGALORE

Assistant Engineer
14/11/2022

Asst. Executive Engineer
14/11/22
Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangaiore - 92

(2)

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PRE Measurement Recorded on:

Item No:55

Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. First Floor

Description	Nos	Length	Width	Depth	Quantity
1	2	3	4	5	6
FF External plastering	1	31.40		3.50	109.900
	1	27.85		3.50	97.475
	2	6.50		3.50	45.500
Corridor Parapet	2	1.80		0.97	3.492
	2	3.34		0.97	6.480
	2	4.30		0.97	8.342
	2	4.33		0.97	8.400
	2	4.33		0.97	8.400
	2	4.23		0.97	8.206
	2	4.33		0.97	8.400
	2	4.33		0.97	8.400
	2	4.43		0.97	8.594
	2	1.8		0.97	3.492
Deductions					325.08
D	-3	1.5		2.1	-9.450
W	-12	1.5		1.35	-24.300
Staircase W	-1	1.45		1	-1.450
				Total	289.882

C & FC

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

AARTN ASSOCIATES BANGALORE

Assistant Engineer
15/11/2022

Asst. Executive Engineer
15/11/22

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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PRE Measurement Recorded on:

Item No -73

Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. First Floor

Description	Nos	Length	Width	Depth	Quantity
1	2	3	4	5	6
Parapet Wall	1	27.85		1.00	27.85
	1	31.40		1.00	
	1	9.00		1.00	9.00
	1	3.55		1.00	3.55
Staicase head room	1	6.80		3.00	20.40
	1	4.50		3.00	13.50
					74.300

AARTN ASSOCIATES BANGALORE

Assistant Engineer

16/11/2022

Asst. Executive Engineer

16/11/22

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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PRE Measurement Recorded on:

Item No:55 (5) 7.11

Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. First Floor

Description	Nos	Length	Width	Depth	Quantity
1	2	3	4	5	6
Parapet plastering	2	27.85		1.05	58.485
	2	31.40		1.05	65.940
	2	9.00		1.05	18.900
	1	3.55		1.05	7.455
Staicase head room	1	6.80		3.00	20.400
	1	4.50		3.00	13.500
Deductions					184.68
D	-1	1		2.1	-2.100
Staircase W	-1	1.45		1	-1.450
				Total	181.130

C & FC

Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP - 92

AARTN ASSOCIATES BANGALORE

Assistant Engineer
18/11/2022

Asst. Executive Engineer
18/11/22

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

(5)

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PRE Measurement Recorded on:

Item No: 55 75

Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. First Floor

Description	Nos	Length	Width	Depth	Quantity
1	2	3	4	5	6
Staicase head room	2	6.80		3.00	40.800
	2	4.50		3.00	27.000
					67.80
Deductions					
D	-1	1		2.1	-2.100
Staircase W	-1	1.45		1	-1.450
				Total	64.250

Assistant Engineer
19/11/2022

Asst. Executive Engineer
19/11/22

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Pre Measurement Recorded on :

Item NO-4

Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work In all kinds of soils Depth upto 1.5 m

Description	Nos	L	B	D	Quantity
For Drain	1	30.00	0.90	0.75	20.25
	1	20.00	0.90	0.75	13.50
For Flaging Concrete	1	32.90	1.00	0.20	6.58
	1	32.90	0.60	0.20	3.95
	2	10.50	2.00	0.20	8.40
				Total	**52.68**

AARIN ASSOCIATES BANGALORE

Assistant Engineer
20/11/2022

Asst. Executive Engineer
20/11/22

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

(7)

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PRE Measurement Recorded on:

Item No:36

Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) First Floor Qty Upto 125%

Description		Nos			Length	Total length	Co-effi	Quantity
1				2	3	4	5	6
Drain	10 dia	1	x	336	1.60	537.60	0.62	333.31
	8 dia	1	x	10	50.00	500.00	0.39	195.00
							Total in Kgs	528.312

AARTN ASSOCIATES BANGALORE DATE

Assistant Engineer

22/11/2022

C&FC Foundry 22/11/22

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Asst. Executive Engineer

8

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Pre Measurement Recorded on :					
Item NO-5					
Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:4:8 (M5) Using 40 mm nominal size graded crushed coarse aggregates					
Description	**Nos**	**L**	**B**	**D**	**Quantity**
For Drain	1	30.00	0.90	0.15	4.05
	1	20.00	0.90	0.15	2.70
For Flaging Concrete	1	32.90	1.00	0.15	4.94
	1	32.90	0.60	0.15	2.96
	2	10.50	2.00	0.15	6.30
				Total	**20.95**

AARIN ASSOCIATES DATE BANGALORE

Assistant Engineer

23/11/2022

C & FC

Asst. Executive Engineer 23/11/22

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Pre Measurement Recorded on :

Item NO-11

Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates

Description	Nos	L	B	D	Quantity
For Drain bottom	1	30.00	0.70	0.15	3.15
	1	20.00	0.70	0.15	2.10
For Drain walls	2	30.00	0.60	0.15	5.40
	2	20.00	0.60	0.15	3.60
For Flaging Concrete	1	32.90	1.00	0.15	4.94
	1	32.90	0.60	0.15	2.96
	2	10.50	2.00	0.15	6.30
				Total	28.45

AARTN ASSOCIATES BANGALORE

Assistant Engineer
24/11/2022

C & Fe

Asst. Executive Engineer
24/11/22

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

10

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Pre Measurement Recorded on :

Item No:23

Supplying, Fitting and Placing TMT Fe 500 & above Reinforcement in Foundation / Substructure /Superstructure complete as per Drawing and Technical Specifications.

Description		Nos			Length	Total length	Co-effi	Quantity
1				2	3	4	5	6
Staircase	12 dia 100 c/c	1	x	32	3.50	112.00	0.89	99.68
	12 dia 100 c/c	1	x	58	2.20	127.60	0.89	113.56
Landing	12 dia 200 c/c	1	x	51	2.20	112.20	0.89	99.86
	8 dia 200 c/c	1	x	22	3.50	77.00	0.39	30.03
Stairs	12 dia 150 c/c	22	x	12	2.20	580.80	0.89	516.91
	8 dia 200 c/c	22	x	28	3.50	2156.00	0.39	840.84
	8 dia 200 c/c	22	x	26	4.00	2288.00	0.39	892.32
2nd Waist Slab	12 dia 100 c/c	1	x	32	4.00	128.00	0.89	113.92
	12 dia 100 c/c	1	x	68	2.20	149.60	0.89	133.14
							Total in Kgs	2840.268
							Total in Tonne	2.840

Asst Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

PRAMUKH ASSOCIATES BANGALORE

Assistant Engineer
27/11/2022

Asst. Executive Engineer
27/11/22

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

11

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Pre Measurement Recorded on :

Item NO-35

Providing and laying in position Reinforced cement concrete for all Foundation orks. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Including Centering and Shuttering for Lintel, Beams, Slab) Qty Upto 125%

Description	Nos	L	B	D	Quantity
Additional Staircase at Block-2					
First Flight	1	3.50	2.20	0.20	1.54
Steps	22	2.50	0.30	0.15	2.48
Landing	1	2.20	2.20	0.20	0.53
Second Flight	1	5.00	2.20	0.15	1.65
Water proofing concrete for terrace					
	1	27.85	9.00	0.0750	18.80
	1	3.55	3.70	0.0750	0.99
				Total	25.98

Assistant Engineer
28/11/2022

Asst. Executive Engineer
28/11/22

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

12

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Pre Measurement Recorded on :

Item NO-69

Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Including Centering and Shuttering for Lintel, Beams, Slab)

Description	Nos	L	B	D	Quantity
Water proofing concrete for terrace					
	1	27.85	9.00	0.0750	18.80
	1	3.55	3.70	0.0750	0.99
				Total	19.78

C 2 Ft

Assistant Engineer I

30/11/2022

Asst. Executive Engineer 30/11/22

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

13

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No. 1st & Part Bill

Name of Work:- PACKAGE No-04 Construction of Classrooms to Govt PU College and previding grill fencing and Other developmental Works to ISRO layout Park, Vishweshwarayya park, Raj kumar Park, Sri Saibaba park Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants

Estimate Cost	950.00 Lakhs
Head of Account	Amrutha Nagrothana grants
Sanction No	Job No-002-23-000002
Tender Amount	Rs.8,81,41,302/-
Tender Period	9 Months
Reference to Agreement No.	EE(Project)/YNK Zone/AG/14/2022-23 date : 02-09-2022
Name of Contractor and full Address	B.B Umesha, Class 1 Contractor Bangalore
Date of Commencement as per agreement	9/3/2022
Date of Completion as per agreement	6/2/2023

Measurement recorded on :

Sl no	Description	No	L	B	D	Qty	Rate	Amount
Item No:4								
Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter								
	Qty vide this E-MB and page No 8					**52.68**	**205.00**	**10798.99**
Item No:5								
Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other								
	Qty vide this E-MB and page No 9					**20.95**	**6135.00**	**128503.71**
Item No:11								
Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid								
	Qty vide this E-MB and page No 10					**28.45**	**7132.47**	**202890.17**
Item No:15								
Fabricating, providing and erecting in position of MS. Hot dip galvanized Sq. Hallow Poles of 132*132 Heavy gauge of length 3000mm with MS. Hot dip galvanized grill work as per approved design and drawing of chief architect. Using 12*75mm galvanized flat for alround frame and 20mm*20mm galvanized- forged design with square for vertical at 150mm C/C as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of								
		1	30.00		1.80	54.00		
		1	22.50		1.80	40.50		
	Total in Sqm					**94.50**	**16265.75**	**1537113.75**

AARTN ASSOCIATES BANGALORE

Assistant Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

14

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Sl no	Description	No	L	B	D	Qty	Rate	Amount
Item No:23								
Supplying, Fitting and Placing TMT Fe 500 & above Reinforcement in Foundation / Substructure /Superstructure complete as per Drawing and Technical Specifications.								
	Qty vide this E-MB and page No (11)					2.84	107945.19	306593.28
Item No:25								
Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-								
	GF Staircase							
	Tread	22	1.47	0.3		9.702		
	Rise	23	1.47	0.15		5.0715		
	Landing	1	1.9	3.35		6.365		
	Corridor	1	27.7	1.8		49.86		
	Additional Staircase at Block-2							
	Tread	22	2.2	0.3		14.52		
	Rise	23	2.2	0.15		7.59		
	Landing	1	1.2	2.2		2.64		
	Total in Sqm					95.75	3297.81	315760.13
Item No:26								
Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete.								
	GF Staircase							
	Clading	1	1.65		1.15	1.898		
		1	3.7		1.15	4.255		
		1	1.37		1.15	1.576		
		1	0.9		1.15	1.035		
		1	0.9		1.15	1.035		
	Window portion	1	1.45		0.18	0.261		
		1	1.4		1.15	1.610		
		1	4		1.15	4.600		
		1	1.78		1.15	2.047		
	Corridor clading	1	0.97		0.87	0.844		
		1	8.03		0.87	6.986		
		1	7.05		0.87	6.134		

C&FC Foundry

Asst. Executive Engineer, Project Division Yelahanka Zone BBMP, Bangalore-92

Executive Engineer Project Division Yelahanka Zone BBMP, Bangalore-92

AARTN ASSOCIATES BANGALORE DATE 21.12.21

32.28

15

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Sl no	Description	No	L	B	D	Qty	Rate	Amount
		1	1.67		0.87	1.453		
	Corridor Entry side	1	1.80		0.90	1.620		
		1	4.45		0.90	4.005		
		1	4.30		0.99	3.870		
		1	4.33		0.90	3.897		
		1	4.33		0.90	3.897		
		1	4.23		0.90	3.807		
		1	1.80		0.90	1.620		
Item No:30	Total in Sqm					56.448	3517.21	198540.79
Finishing walls with water proofing cement paint of required shade :New work (Two coats applied @ 4.84 kg/10 m◆) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.								
	GF External	1	31.40		3.50	109.900		
		1	27.85		3.50	97.475		
		2	6.50		3.50	45.500		
	Corridor Parapet	2	1.80		0.97	3.492		
		2	4.45		0.97	8.633		
		2	4.30		0.97	8.342		
		2	4.33		0.97	8.400		
		2	4.33		0.97	8.400		
		2	4.23		0.97	8.206		
		2	1.8		0.97	3.492		
	Deductions					301.84		
	D	-3	1.5		2.1	-9.450		
	W	-6	1.5		1.35	-32.400		
	Staircase W	-1	1.45		1	-1.450		
Item No:31	Total in Sqm					258.54	94.17	24346.15
Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: One coats on old work as per specifications and as per directions of Engineer in charge.								
	Internal Painting							
	Room-1	2	6.5		3.30	42.900		
		2	7.9		3.30	52.140		
	Room-2	2	6.55		3.30	43.230		
		2	7.7		3.30	50.820		
	Room-3	2	7.6		3.30	50.160		
		2	6.53		3.30	43.098		
						282.34		

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

C & FC

AARIN ASSOCIATES
BANGALORE

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Sl no	Description	No	L	B	D	Qty	Rate	Amount
	Staircase	2	6.5		3.30	42.900		
		1	4.3		3.30	14.190		
	Deductions					339.43		
	D	3	1.5		2.1	-9.450		
	W	-16	1.5		1.35	-32.400		
	Staircase W	-1	1.45		1	-1.450		
	V	-6	1.5		0.3	-2.700		
	Total in Sqm					293.44	88.34	25923.13
Item No:32								
	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc.							
	Corridor	1	1.80		2.07	3.726		
		1	4.45		2.07	9.212		
		1	4.30		2.07	8.901		
		1	4.33		2.07	8.963		
		1	4.33		2.07	8.963		
		1	4.23		2.07	8.756		
		1	1.80		2.07	3.726		
	GF corridor Door	1	3.35		2.74	9.202		
		1	4.27		2.74	11.695		
	Total in Sqm					73.144		
		At	30 kg per sqm			2194.321	Kgs	
	For compound wall safety grills							
		Nos	length		at kg/ mtr	total weight in kgs		
	65mm x 10mm flat	2	50.00		5.10	510.000		
	20 mm x20mm square rods	333	1.50		3.14	1568.430		
	10 cm x10 cm Hallow pipe	16	1.60		9.10	232.960		
	Designs	332			0.50	166.000		
		332			0.20	66.400		
	Total					2543.790	Kgs	
	At 30 kg per sqm					4738.11	195.13	924551.39
Item No:33								
	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. M.S. tube including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineerin- Charge.							

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Sl no	Description	No	L	B	D	Qty	Rate	Amount
	Railings	1	3.70		0.90	3.330		
		1	4.00		0.90	3.600		
	Railings	2	3.70		0.90	6.660		
	landing	2	1.20		0.90	2.160		
		2	4.00		0.90	7.200		
	Total in Sqm					22.950		
	At 30 kg per sqm					688.50	126.20	86891.45
Item No:35								
Providing and laying in position Reinforced cement concrete for all Foundation orks. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Including Centering and Shuttering for Lintel, Beams, Slab) Qty Upto 125%								
	Qty vide this E-MB and page No 18					25.98	8719.73	226511.22
Item No:36								
Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per								
	Qty vide this E-MB and page No 8					528.31	122.32	64623.55
Item No:37								
Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.								
	For flagging concrete around the Building	2	32.90		0.20	13.160		
		2	10.50		0.20	4.200		
	Total in Sqm					17.36	1232.92	21403.42
Item No:38								
Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. First Floor								
	Qty vide this E-MB and page No 18					289.88	443.66	128607.68
Item No:40								
Finishing walls with water proofing cement paint of required shade :New work (Two coats applied @ 4.84 kg/10 m^2) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. First Floor								
	FF External	1	31.40		3.50	109.900		
		1	27.85		3.50	97.475		

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Sl no	Description	No	L	B	D	Qty	Rate	Amount
		2	6.50		3.60	45.500		
	Corridor Parapet	2	1.80		0.97	3.492		
		2	4.45		0.97	8.633		
		2	4.30		0.97	8.342		
		2	4.33		0.97	8.400		
		2	4.33		0.97	8.400		
		2	4.23		0.97	8.206		
		2	1.8		0.97	3.492		
	Deductions							
	D	-3	1.5		2.1	-9.450		
	W	-6	1.5		1.35	-32.400		
	Staircase W	-1	1.45		1	-1.450		
	Total in Sqm					258.54	95.14	24597.14
Item No:41								
Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: One coats on old work as per specifications and as per directions of Engineer in charge. First Floor								
	Internal Painting							
	Room-1	2	6.5		3.30	42.900		
		2	7.9		3.30	52.140		
	Room-2	2	6.55		3.30	43.230		
		2	7.7		3.30	50.820		
	Room-3	2	7.6		3.30	50.160		
		2	6.53		3.30	43.098		
	Staircase	2	6.5		3.30	42.900		
		1	4.3		3.30	14.190		
	Deductions							
	D	-3	1.5		2.1	-9.450		
	W	-16	1.5		1.35	-32.400		
	Staircase W	-1	1.45		1	-1.450		
	V	-6	1.5		0.3	-2.700		
	Total in Sqm					293.44	89.31	26208.00
Item No:42								
Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent.								

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Sl no	Description	No	L	B	D	Qty	Rate	Amount
	Flooring Room-1	1	6.5	7.9		51.35		
		1	6.5	1.2		7.8	59.15	
	Deduct Door Portion	-1	0.7	0.3		-0.21		
	Skirting	2	6.5	0.1		1.3	58.94	
		2	7.9	0.1		1.58		
	Deduct Door Portion	1	1.5	0.1	(-)	0.15	61.82	
	Room-2	1	6.55	7.7		50.435	61.67	
		1	6.55	1.23		8.0565		
	Skirting	-1	0.7	0.3		-0.21		
		2	6.55	0.1		1.31		
	Deduct Door Portion	2	7.7	0.1		1.54		
	Room-3	1	1.5	0.1	(-)	0.15		
		1	7.6	6.53		49.628		
		1	6.53	1.25		8.1625		
	Skirting	-1	0.7	0.3		-0.2		
		2	7.6	0.1		1.52		
	Deduct Door Portion	2	6.53	0.1		1.306		
	Corridor	1	1.5	0.1	(-)	0.15		
	Staircase area	1	2.07	1.8		49.86		
	FF Staircase	1	3.45	3.8		13.11		
	Tread	22	1.6	0.3		10.56		
	Rise	23	1.6	0.15		5.52		
	Landing	1	1.64	3.33		5.4612		
	Total in Sqm					268.32	3330.81	893721.56
Item No:43								
Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete.								
	FF Staircase							
	Clading	1	1.4		1.15	1.610		
		1	3.4		1.15	3.910		
		1	1.95		1.15	2.243		
		1	0.87		1.15	1.001		
		1	0.85		1.15	0.978		
	Window portion	1	1.45		0.18	0.261		

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